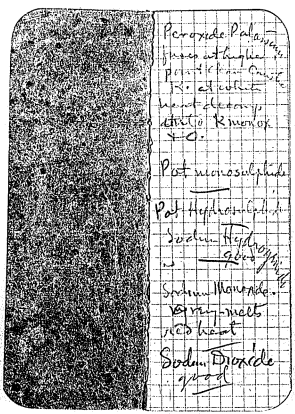
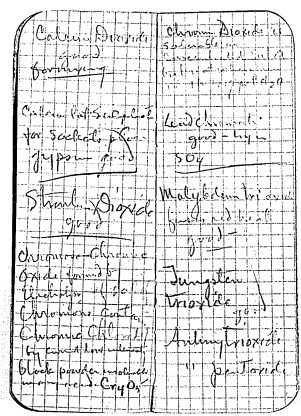
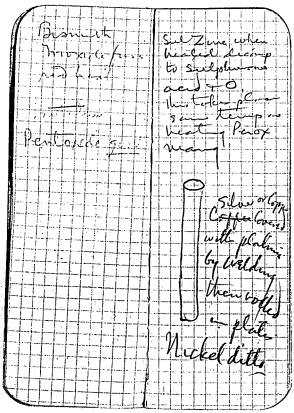
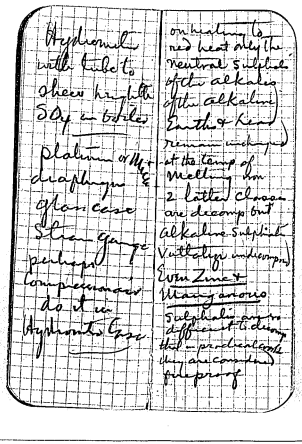
Pocket Notebook, PN-Undated.18

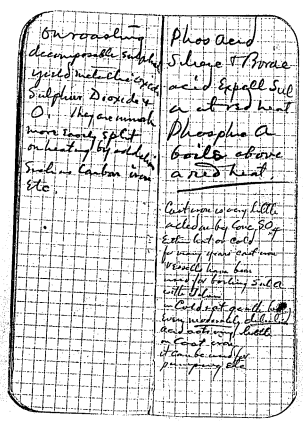
This undated pocket notebook was used by Edison, probably during the mid-1880s. It contains notes regarding chemical compounds and their reactions to heat. There are also two drawings and one page of miscellaneous calculations. The pages are unnumbered. Approximately 20 pages have been used.


Peroxide Bar
Pot Hydrate
Sodium Hydrate
Sodium Monoxide
Sodium Dioxide



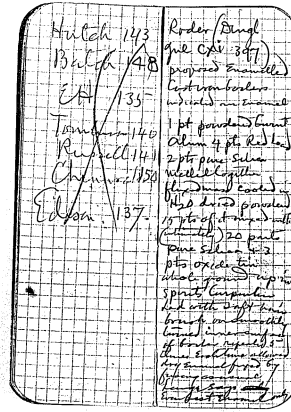

Brass nut
Pentacle
Silver or Gold Copper Coated with platinum by electrolysis then cut off
Nickel tube

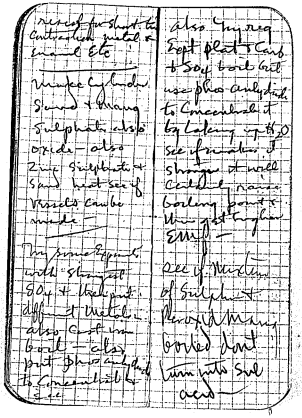

Hydrosulph
with tube to
sheen bright
SO4 in tube
Platinum or Mg
diaphragm
glass case
Silica gauge
perhaps
compression
do it in
Hydrometer Case
on heating to
red heat only the
neutral sulphates
often alkalies
often alkaline
Earths & Rare
Remain undecomp
at the temp of
Melting Iron
2 latter classes
are decomp but
alkaline Sulphates
Vitrifying undecomp
Even Zinc +
Many anomalous
Sulphates are
different to others
that - particular case
they are combined
for prime

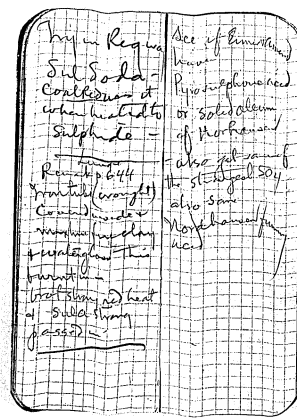

Ores roasted — decomposed sulphides yield sulphur dioxide SO_2. They are much more rapidly oxidized on heating [illegible] sulphides, carbon ores etc.

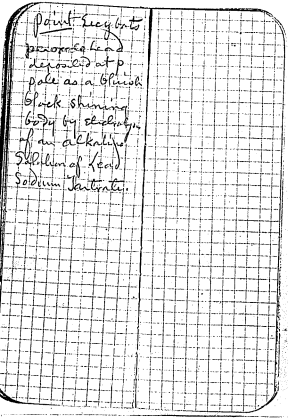
Phos acid Silicic + Boracic acid Expell Sul acid heat Phosphoric A boils above a red heat

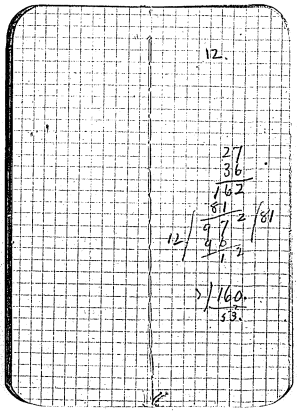
Carbonates easily decomposed by dilute acids by boiling [illegible] of acid for many years calcium prevents [illegible] and for feeding [illegible] with [illegible] — Calcium gentle heating increases [illegible] and intensity of heat [illegible] [illegible] [illegible]

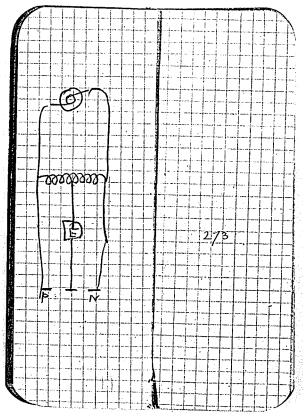

Hulett 143
Birch 148
EH 135
Townsend 140
Russell 141
Chapman 150
Edson 137
Roder (Bengal
Gaz. Oct. 1794)
proposed Ensuckle
Lightning burlers
1 pt powdered Charcoal
Odours 4 pts Red Lead
2 pts pure Silica
Mixed & Ignited
(Flint Powder)
1 pt dried powder
10 pts of Mercury with
(Quicksilver) 20 parts
pure Silica 1 1/2
pts oxide Zinc
Spirit Camphor
Lit with a light hand
Lightning Conductor
of Borders exposed
Lightning Conductor
by






Paint Sweeps
Pale as a Ghost
Black shining
Body by Electricity
If an Acknowledgement
Skeleton of Xerxes
Soldiers Uniforms


12.
27
36
162
81
12
324
324
0
1760
33
8


P
N
2/5